

Amendments to the Claims

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1. (Currently Amended) A working fluid ~~which is~~ adapted to be supplied to a working point where a working of a workpiece is performed ~~with the working fluid,~~ comprising:

a solvent; and

microcapsules ~~filled with liquid-state substances~~ comprising an etchant, said microcapsules being dispersed in the solvent.

2. (Original ) The working fluid of claim 1, wherein said microcapsules have an average particle size ranging from 0.1  $\mu\text{m}$  to 1000  $\mu\text{m}$ .

3. (Currently Amended) A working process which performs a working of a workpiece with a working fluid, the working fluid containing a solvent and microcapsules filled with liquid-state substances, the microcapsules being dispersed in the solvent, the working process comprising ~~the steps of~~:

supplying the working fluid to a working point of the workpiece; and

performing a cutting process of the workpiece at the working point while supplying the working fluid to the working point.

4. (Currently Amended) A working process which performs a working of a workpiece with a working fluid, the working fluid containing a solvent and microcapsules filled with liquid-state substances, the microcapsules being dispersed in the solvent, the working process comprising ~~the steps of~~:

supplying the working fluid to a working point of the workpiece; and

performing a grinding process of the workpiece at the working point while supplying the working fluid to the working point.

5. (Currently Amended) A working process which performs a working of a workpiece with a working fluid, the working fluid containing a solvent and microcapsules filled with liquid-state substances, the microcapsules being dispersed in the solvent, the working process comprising ~~the steps of~~:

forming a mixture of the working fluid and abrasive particles;

supplying the mixture of the working fluid and the abrasive particles to a working point of the workpiece; and

performing a polishing process of the workpiece at the working point while supplying the mixture to the working point.

6. (Currently Amended) A working process which performs a working of a workpiece with a working fluid, the working fluid containing a solvent and microcapsules filled with liquid-state substances, the microcapsules being dispersed in the solvent, the working process comprising ~~the steps of~~:

supplying the working fluid to a working point of the workpiece; and

performing a plastic deformation process of the workpiece at the working point while supplying the working fluid to the working point.

7. (Currently Amended) A method of production of a working fluid which is supplied to a working point where a working of a workpiece is performed ~~with the working fluid~~, the method comprising ~~the steps of~~:

producing microcapsules ~~that are filled with liquid-state substances~~  
comprising an etchant; and

mixing the microcapsules and a solvent so that the microcapsules are  
dispersed in the solvent to form the working fluid,

wherein, in said producing step, a process, ~~which is~~ selected from the group  
~~including at least~~ comprising a surface polymerization process, an "in situ"  
polymerization process, a coacervation process, an immersion hardening/coating  
process and an immersion drying process, is performed to produce the microcapsules  
~~filled with the liquid-state substances.~~

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